

METHOD OF OCCUPANCY CLASSIFICATION IN A VEHICLE SEAT

ABSTRACT OF THE DISCLOSURE

A method of recognizing and classifying the occupancy in a vehicle seat having an occupancy sensing system, including the steps of sensing the output of an array of sensors that detect a physical presence in a seat and applying the sensor array output as a vector representation to a neural net that was trained using a learning vector quantization algorithm. The method also includes the step of recognizing the sensor array output as falling within one of a group of predetermined classification patterns that represent a physical presence in the seat defined by size, weight, and physical orientation.